

ABSTRACT

A storage device includes a storage for storing data to be accessed by a computer and an access processing module that controls data access between the storage and the computer. The storage device is equipped with a

5 management interface, a storage region allocation module and a performance allocation module. The management interface receives from a management computer a storage region allocation request to allocate a storage region to the computer. The storage region allocation module allocates to the computer, according to the storage region allocation request, an unallocated storage

10 region in the storage in a manner accessible by the computer. The performance allocation module allocates to the computer, according to the storage region allocation request, performance of at least one target module in the storage device that affects data access between the computer and the storage region allocated.